



# Edwinstree Middle School

## Design and Technology Department



### KS3 Condensed Curriculum

Technology terminology to be consolidated and independently used by pupils.

#### Yr 7 Resistant Materials:

Health and Safety in the Workshop including power tools.

**ICT: CAD/CAM:** Introduction via Boardworks/ interactive whiteboard.

**Plastics:** Design, make and evaluate process of making a key fob. (Use of **CAD/CAM** to design).

**ICT:** Boardworks: Plastics and their Properties

**Electronics:** Design, make and evaluate a jitterbug. Use of injection moulding, soldering and circuits.

**Extension:** Injection moulding using different mould.

#### Yr 8 Resistant Materials:

**Mechanisms + CAD/CAM.**

Use of acrylic.

Design, make and evaluate a clock.

**Wood mechanisms and line bender:**

Racing Car Project: Following set criteria and independent reasoning about choices.

**Extension: Design: Research skills.**

**Following set criteria.**

Design, make and evaluate a board game.

Market Research.

New project to be developed in 2011 to incorporate use of forge.